

Notice of Allowability	Application No.	Applicant(s)	
	10/008,392	PAVLIDIS, IOANNIS	
	Examiner	Art Unit	
	Mirellys Jagan	2859	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Amendment filed 9/16/04.
2. ☒ The allowed claim(s) is/are 1-59.
3. ☒ The drawings filed on 3/29/02 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

1. Claims 1-59 are allowed.

2. The following is an examiner's statement of reasons for allowance:

The prior art of record does not disclose or suggest the following in combination with the remaining limitations of the claims:

A method for use in detecting deception of a person, wherein transforming the thermal image data to blood flow rate data comprises calculating a change of blood flow rate over the plurality of frames of the thermal image data (see claim 1).

A system for use in detecting deception of a person, the system comprising a computing apparatus operable upon the thermal image data to transform the thermal image data to blood flow rate data by calculating a change of blood flow rate over the plurality of frames of the thermal image data (see claim 12).

A polygraph method for use in determining whether a person is being deceptive or non-deceptive with respect to a response elicited from the person, wherein transforming the thermal image data to blood flow rate data comprises calculating a change of blood flow rate over the plurality of frames of the thermal image data (see claim 23).

A method for use in monitoring blood flow rate, wherein transforming the thermal image data to blood flow rate data comprises calculating a change of blood flow rate over the plurality of the frames (see claim 30).

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A system for use in monitoring blood flow rate, the system comprising a computing apparatus operable upon the thermal image data to transform the thermal image data to blood flow rate information by calculating a change of blood flow rate over the plurality of the frames of the thermal image data (see claim 36).

A system for use in detecting deception of a person, the system comprising a computing apparatus operable upon the thermal image data to transform the thermal image data to blood flow rate data by using a thermodynamic model where changes of blood flow rate is inversely proportional to the square of skin temperature deviation from a core temperature of a human body (see claim 45).

A system for use in monitoring blood flow rate, the system comprising a computing apparatus operable upon the thermal image data to transform the thermal image data to blood flow rate data by using a thermodynamic model where changes of blood flow rate is inversely proportional to the square of skin temperature deviation from a core temperature of a human body (see claim 56).

The examiner's reasons for allowance for claims 41-44 and 49-55 are stated in the Office action mailed 7/16/04.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mirellys Jagan whose telephone number is 571-272-2247. The examiner can normally be reached on Monday-Friday from 10AM to 4PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Diego Gutierrez can be reached on 571-272-2245. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MJ
October 5, 2004



Diego Gutierrez
Supervisory Patent Examiner
Technology Center 2800